

Title (en)

Apparatus and methods for reducing aircraft lifting surface flutter

Title (de)

Gerät und Verfahren zur Reduzierung des Flatterns einer tragenden Fläche eines Flugzeuges

Title (fr)

Appareil et procédé pour réduire le flottement d'une surface portante d'avion

Publication

**EP 0437868 B2 20010502 (EN)**

Application

**EP 90200161 A 19900119**

Priority

US 26983988 A 19881110

Abstract (en)

[origin: EP0437868A1] A device for preventing aircraft wing flutter causes the port and starboard wings of the aircraft to oscillate at different frequencies. In an exemplary embodiment, engine nacelles (10) are suspended from the port and starboard wings by strut assemblies (14) in a manner that the port and starboard engine nacelles have different oscillation frequencies when subjected to a displacing force. The port and starboard strut assemblies each include a pair of flexible beams (72) whose dimensions and composition may be adjusted to change its stiffness. In this manner, the oscillation frequency of the attached engine nacelle is adjusted in a known manner.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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